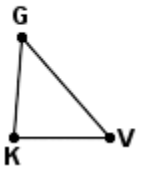
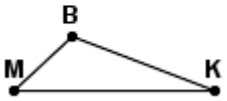
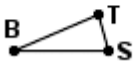
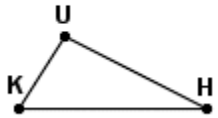
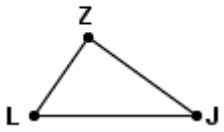
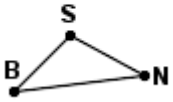
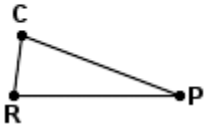
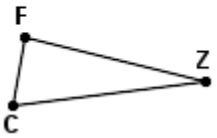
The Cosine Law

$$a^2 = b^2 + c^2 - 2bc\cos A$$

OR $b^2 = a^2 + c^2 - 2ac\cos B$ ***OR*** $c^2 = a^2 + b^2 - 2ab\cos C$

Use **the law of cosines** to solve for the unknown.

1.  $\angle G = 46°$ $\overline{KG} = 25$ $\overline{VG} = 33.5$ $\angle V =$ _____ °	2.  $\overline{MB} = 48$ $\overline{MK} = 120$ $\overline{KB} = 91.2$ $\angle M =$ _____ °	3.  $\angle S = 74°$ $\overline{BS} = 47$ $\overline{ST} = 19$ $\angle T =$ _____ °
4.  $\overline{KU} = 75.3$ $\overline{KH} = 164.5$ $\overline{HU} = 140$ $\angle K =$ _____ °	5.  $\overline{LZ} = 80.6$ $\overline{LJ} = 138.9$ $\overline{JZ} = 114.9$ $\angle Z =$ _____ °	6.  $\angle N = 36°$ $\overline{BN} = 72.2$ $\overline{NS} = 46.7$ $\angle S =$ _____ °
7.  $\overline{RC} = 30$ $\overline{RP} = 83$ $\overline{PC} = 85$ $\angle C =$ _____ °	8.  $\overline{AV} = 26.4$ $\overline{AH} = 69.6$ $\overline{HV} = 64.8$ $\angle H =$ _____ °	9.  $\angle F = 86°$ $\overline{CF} = 24.5$ $\overline{ZF} = 65.1$ $\angle Z =$ _____ °